

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	278	(548/504).CCLS.	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2006/06/23 12:16
L2	216	(548/507).CCLS.	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2006/06/23 12:16
L3	1132	(514/415).CCLS.	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2006/06/23 12:16
L4	20	((("5476872") or ("5288754") or ("5194449") or ("5139491") or ("5270049") or ("5446041") or ("5034413") or ("5029624") or ("5011856") or ("4994274"))).PN.	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2006/06/23 12:19
L5	2	("5028624").PN.	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2006/06/23 12:20
L6	12	((("5688819") or ("5376533") or ("6410591") or ("6531504") or ("6538018") or ("6586462"))).PN.	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2006/06/23 12:21

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1600RXA

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	JAN 17	Pre-1988 INPI data added to MARPAT
NEWS	4	FEB 21	STN AnaVist, Version 1.1, lets you share your STN AnaVist visualization results
NEWS	5	FEB 22	The IPC thesaurus added to additional patent databases on STN
NEWS	6	FEB 22	Updates in EPFULL; IPC 8 enhancements added
NEWS	7	FEB 27	New STN AnaVist pricing effective March 1, 2006
NEWS	8	MAR 03	Updates in PATDPA; addition of IPC 8 data without attributes
NEWS	9	MAR 22	EMBASE is now updated on a daily basis
NEWS	10	APR 03	New IPC 8 fields and IPC thesaurus added to PATDPAFULL
NEWS	11	APR 03	Bibliographic data updates resume; new IPC 8 fields and IPC thesaurus added in PCTFULL
NEWS	12	APR 04	STN AnaVist \$500 visualization usage credit offered
NEWS	13	APR 12	LINSPEC, learning database for INSPEC, reloaded and enhanced
NEWS	14	APR 12	Improved structure highlighting in FQHIT and QHIT display in MARPAT
NEWS	15	APR 12	Derwent World Patents Index to be reloaded and enhanced during second quarter; strategies may be affected
NEWS	16	MAY 10	CA/CAPLUS enhanced with 1900-1906 U.S. patent records
NEWS	17	MAY 11	KOREAPAT updates resume
NEWS	18	MAY 19	Derwent World Patents Index to be reloaded and enhanced
NEWS	19	MAY 30	IPC 8 Rolled-up Core codes added to CA/CAPLUS and USPATFULL/USPAT2
NEWS	20	MAY 30	The F-Term thesaurus is now available in CA/CAPLUS
NEWS	21	JUN 02	The first reclassification of IPC codes now complete in INPADOC
NEWS EXPRESS			FEBRUARY 15 CURRENT VERSION FOR WINDOWS IS V8.01a, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005. V8.0 AND V8.01 USERS CAN OBTAIN THE UPGRADE TO V8.01a AT http://download.cas.org/express/v8.0-Discover/
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS LOGIN			Welcome Banner and News Items
NEWS IPC8			For general information regarding STN implementation of IPC 8
NEWS X25			X.25 communication option no longer available after June 2006

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 08:27:20 ON 23 JUN 2006

=> fil reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 08:27:29 ON 23 JUN 2006

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2006 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 22 JUN 2006 HIGHEST RN 889059-26-1

DICTIONARY FILE UPDATES: 22 JUN 2006 HIGHEST RN 889059-26-1

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*

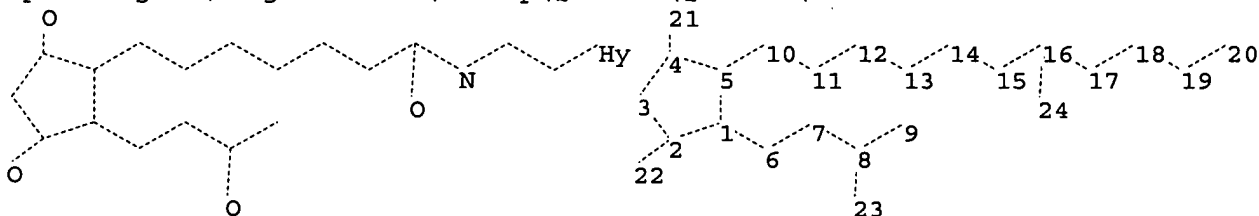
Structure search iteration limits have been increased. See HELP SLIMITS for details.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>

Uploading C:\Program Files\Stnexp\Queries\QUERIES\10713500.str



chain nodes :

6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

ring nodes :

1 2 3 4 5

chain bonds :

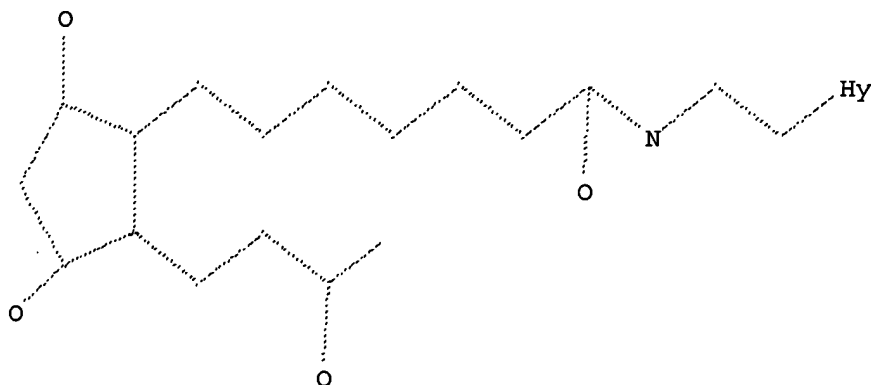
1-6 2-22 4-21 5-10 6-7 7-8 8-9 8-23 10-11 11-12 12-13 13-14 14-15
15-16 16-17 16-24 17-18 18-19 19-20

ring bonds :
 1-2 1-5 2-3 3-4 4-5
 exact/norm bonds :
 1-2 1-5 1-6 2-3 2-22 3-4 4-5 4-21 5-10 6-7 7-8 8-9 8-23 10-11 11-12
 12-13 13-14 14-15 15-16 16-17 16-24 17-18 18-19 19-20

Match level :
 1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 9:CLASS
 10:CLASS 11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS
 18:CLASS 19:CLASS 20:Atom 21:CLASS 22:CLASS 23:CLASS 24:CLASS

L1 STRUCTURE UPLOADED

=> d
 L1 HAS NO ANSWERS
 L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1
 SAMPLE SEARCH INITIATED 08:27:53 FILE 'REGISTRY'
 SAMPLE SCREEN SEARCH COMPLETED - 25 TO ITERATE

100.0% PROCESSED 25 ITERATIONS 0 ANSWERS
 SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
 PROJECTED ITERATIONS: 200 TO 800
 PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 full
 FULL SEARCH INITIATED 08:27:55 FILE 'REGISTRY'
 FULL SCREEN SEARCH COMPLETED - 492 TO ITERATE

100.0% PROCESSED 492 ITERATIONS 9 ANSWERS
 SEARCH TIME: 00.00.01

L3 9 SEA SSS FUL L1

=> s l3 and caplus/lc
 51091370 CAPLUS/LC

L4

9 L3 AND CAPLUS/LC

=> fil caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

171.70

171.91

FILE 'CAPLUS' ENTERED AT 08:28:03 ON 23 JUN 2006

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 23 Jun 2006 VOL 145 ISS 1

FILE LAST UPDATED: 22 Jun 2006 (20060622/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s l4

L5

6 L4

=> d ibib abs hitstr 1-6

L5 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2006 ACS ON STN
ACCESSION NUMBER: 2006:364394 CAPLUS
DOCUMENT NUMBER: 144:382488
TITLE: Novel prostamides for the treatment of glaucoma and related diseases
INVENTOR(S): Woodward, David F.; Burk, Robert M.
PATENT ASSIGNEE(S): Allergan, Inc., USA
SOURCE: PCT Int. Appl., 34 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006041875	A1	20060420	WO 2005-US35748	20051004
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

PRIORITY APPLN. INFO.: US 2004-616780P P 20041006

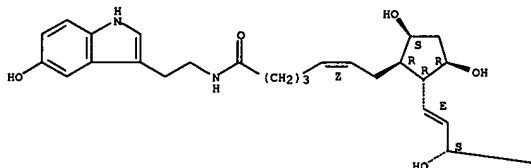
AB Disclosed herein are compns. comprising an amide related to a prostaglandin and a biogenic amine. Other aspects relate to certain chemical compds., pharmaceutical compns., and methods of treating glaucoma.

IT 851727-22-5P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prostamides for the treatment of glaucoma and related diseases)

RN 851727-22-5 CAPLUS
CN Prosta-5,13-dien-1-amide, 9,11,15-trihydroxy-N-[2-(5-hydroxy-1H-indol-3-yl)ethyl]-, (5Z,9a,11a,13E,15S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.

PAGE 1-A

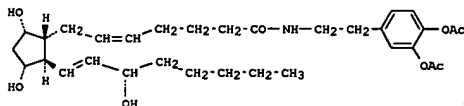


L5 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2006 ACS ON STN
ACCESSION NUMBER: 2005:431411 CAPLUS
DOCUMENT NUMBER: 142:457143
TITLE: Novel prostamides for the treatment of glaucoma and related diseases
INVENTOR(S): Woodward, David F.; Burk, Robert M.
PATENT ASSIGNEE(S): Allergan, Inc., USA
SOURCE: U.S. Pat. Appl. Publ., 12 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2005107463	A1	20050519	US 2003-713500	20031113
WO 2005049558	A1	20050602	WO 2004-US37437	20041108
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, CH, CM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

PRIORITY APPLN. INFO.: US 2003-713500 A 20031113

OTHER SOURCE(S): MARPAT 142:457143
GI



AB Disclosed are compns. comprising an amide related to a prostaglandin and an amine wherein the amine is selected from the group consisting of epinephrine, dopamine, serotonin, and analogs or prodrugs thereof. E.g., I and its hydrolyzed benzenediol derivative as well as an indole derivative were prepared and tested for effect on intraocular pressure in dogs. Thus, the compds. can be used in the treatment of glaucoma.

IT 851727-22-5P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prostamides preparation for the treatment of glaucoma and related diseases)

RN 851727-22-5 CAPLUS

L5 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2006 ACS ON STN (Continued)

PAGE 1-B

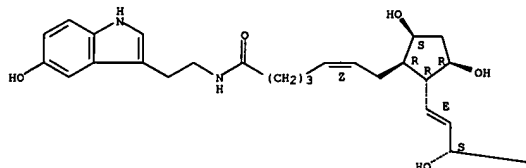


REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2006 ACS ON STN (Continued)
CN Prosta-5,13-dien-1-amide, 9,11,15-trihydroxy-N-[2-(5-hydroxy-1H-indol-3-yl)ethyl]-, (5Z,9a,11a,13E,15S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.

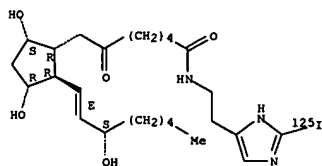
PAGE 1-A



PAGE 1-B



L5 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1983:516255 CAPLUS
 DOCUMENT NUMBER: 99:116255
 TITLE: Sensitivity and specificity of eicosanoid radioimmunoassays: new strategy
 AUTHOR(S): Dray, F.
 CORPORATE SOURCE: INSERM, Inst. Pasteur, Paris, 75724/15, Fr.
 SOURCE: British Journal of Dermatology (1983), 109(Suppl. 25), 36-40
 CODEN: BJDEAZ; ISSN: 0007-0963
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 AB Eicosanoids were coupled with histamine and radiiodinated by the iodogen method for use in RIA. The iodinated derivs. could be stored >6 mo after high-performance liquid chromatog. purification RIA's using 13 tritiated and iodinated prostanoid tracers were compared. With iodinated tracers the final determination of antisera of the eicosanoids was always higher than that with tritiated tracers and sensitivity was increased. The concns. of 6-keto-PGF_{1α} and 6,15-diketo-PGF_{1α} in human plasma, serum, and urine and in rabbit plasma were determined using the iodinated tracers.
 IT 87026-18-4 87026-19-5 87026-20-8
 87026-21-9
 RL: ANT (Analyte); ANST (Analytical study) (high-performance liquid chromatog. of)
 RN 87026-18-4 CAPLUS
 CN Prost-13-en-1-amide, 9,11,15-trihydroxy-N-[2-[2-(iodo-125I)-1H-imidazol-4-yl]ethyl]-6-oxo-, (9α,11α,13E,15S)- (9CI) (CA INDEX NAME)
 Absolute stereochemistry.
 Double bond geometry as shown.



RN 87026-19-5 CAPLUS
 CN Prost-13-en-1-amide, 11,15-dihydroxy-N-[2-[2-(iodo-125I)-1H-imidazol-4-yl]ethyl]-6,9-dioxo-, (11α,13E,15S)- (9CI) (CA INDEX NAME)
 Absolute stereochemistry.
 Double bond geometry as shown.

L5 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1979:610969 CAPLUS
 DOCUMENT NUMBER: 91:210969
 TITLE: Ergolin-8-ylalkylesters, -thioesters and -amides of prostanoid acids
 INVENTOR(S): Wagner, Roland
 PATENT ASSIGNEE(S): Sandoz-Patent-G.m.b.H., Switz.
 SOURCE: Ger. Offen., 39 pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2803058	A1	19790726	DE 1978-2803058	19780125
PRIORITY APPLN. INFO.:			DE 1978-2803058	A 19780125

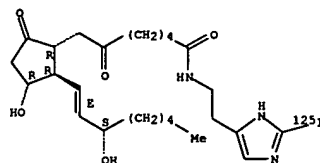
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB A number of title compds. (e.g., I) were prepared by coupling the prostaglandin and ergoline components. Addition of the appropriate heterocycle to PGA analogs gave the 11α-heterocyclylprostaglandins, in turn converted into title compound analogs, such as II. In all, .apprx.60 compds. and intermediates were prepared

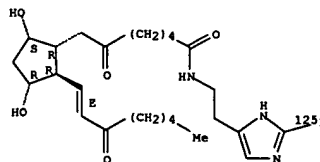
IT 71951-71-8P
 RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of)
 RN 71951-71-8 CAPLUS
 CN Prost-13-en-1-amide, 11,15-dihydroxy-N-[2-[(8β)-6-methylergolin-8-yl]ethyl]-9-oxo-, (11α,13E,15S)- (9CI) (CA INDEX NAME)

L5 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



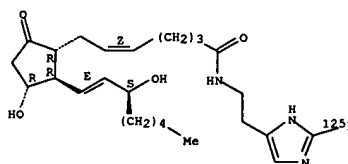
RN 87026-20-8 CAPLUS
 CN Prost-13-en-1-amide, 9,11-dihydroxy-N-[2-[2-(iodo-125I)-1H-imidazol-4-yl]ethyl]-6,15-dioxo-, (9α,11α,13E)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
 Double bond geometry as shown.



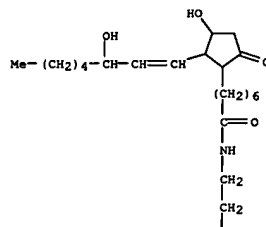
RN 87026-21-9 CAPLUS
 CN Prosta-5,13-dien-1-amide, 11,15-dihydroxy-N-[2-[2-(iodo-125I)-1H-imidazol-4-yl]ethyl]-9-oxo-, (5Z,11α,13E,15S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
 Double bond geometry as shown.

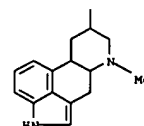


L5 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

PAGE 1-A



PAGE 2-A



L5 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1978:51072 CAPLUS
 DOCUMENT NUMBER: 88:51072
 TITLE: Ergolin-8-yl alkyl esters, thioesters, and amides of prostanoic acids
 INVENTOR(S): Wenger, Roland
 PATENT ASSIGNEE(S): Sandoz-Patent-G.m.b.H., Switz.
 SOURCE: Ger. Offen., 39 pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

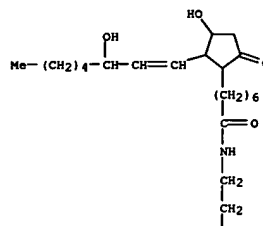
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2707915	A1	19771117	DE 1977-2707915	19770224
DK 7700751	A	19771028	DK 1977-751	19770221
FI 7700572	A	19771028	FI 1977-572	19770222
GB 1577647	A	19801029	GB 1977-7981	19770225
ZA 7701215	A	19781025	ZA 1977-1215	19770301
NL 7702221	A	19771031	NL 1977-2221	19770302
BE 852055	A1	19770905	BE 1977-175449	19770303
JP 52131600	A2	19771104	JP 1977-22259	19770303
FR 2353549	A1	19771230	FR 1977-6181	19770303
SU 741794	D	19800615	SU 1977-2457126	19770303
FR 2355837	A1	19780120	FR 1977-26295	19770830
PRIORITY APPLN. INFO.:			CH 1976-5268	A 19760427

AB Treatment of prostaglandin E1 with dihydroisolysergylamine gave 11a,15b-dihydroxy-9-oxo-13-trans-prostenoic acid dihydroisolysergylamide. Similarly prepared were 59 alkyl esters, thio esters, and other ergolinyl amides of prostenoic acids.

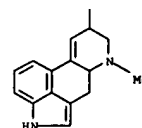
IT 65428-53-7P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)
 RN 65428-53-7 CAPLUS
 CN Prost-13-en-1-amide, N-[2-[(8P)-9,10-didehydro-6-methylergolin-8-yl]ethyl]-11,15-dihydroxy-9-oxo-, (11a,13E,15S)- (9CI) (CA INDEX NAME)

L5 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

PAGE 1-A



PAGE 2-A



L5 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1976:43438 CAPLUS
 DOCUMENT NUMBER: 84:43438
 TITLE: Prostadienoic acid amide derivatives
 INVENTOR(S): Inukai, Noriyoshi; Murakami, Masuo; Iwamoto, Hidenori;
 Tamura, Toshinari; Yanagizawa, Isao; Hasegawa, Osamu;
 Ishii, Yoshio; Matsuda, Hideya
 Yamanouchi Pharmaceutical Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 50013363	A2	19750212	JP 1973-64571	19730608
PRIORITY APPLN. INFO.:			JP 1973-64571	A 19730608

GI For diagram(s), see printed CA Issue.
 AB The amide deriva. I [R = H, lower alkyl, R1 = H or protecting group, R2 = OH, NH2, lower alkoxy, Z1 = residue of amino acid or peptide from which terminal NH2 and CO2H were removed] were prepared by the reaction of II

(R3 = H or protecting group) or their derivs. with H2N2ICOR4 (III; R4 = OH, NH2, lower alkoxy), followed by hydrolysis in acidic or alkaline media if necessary. I had biol. activities similar to PGE2 and PGF2a (no data). Thus, 55.6 mg ClCO2Et and 51.8 mg Et3N were added to a solution

of 267.9 mg II [R = H, R3 = tetrahydropyran-2-yl, (15S), Z = CHOH] in 3 ml CHCl3 at -5 to 0°, the mixture stirred 20-30 min, a solution of 71.6 mg ethyl glycinate and 51.8 mg Et3N in 4 ml CHCl3 added, the mixture

stirred 2 hr at room temperature, treated with CHCl3, aqueous NaHCO3, H2O, and anhydrous Na2SO4

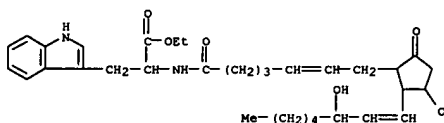
to give 342.9 mg crude I (R1 = tetrahydropyran-2-yl, R2 = OEt, Z = CHOH, Z1 = CH2); this in 6 ml AcOH-H2O-THF (19:11:3 in volume) was hydrolyzed

at 40 ± 2° to give 179.8 mg I (R1 = H, other symbols same as before), which in 10 ml MeOH and 2 ml THF was hydrolyzed under N in the presence of 1.23 ml 1N NaOH at room temperature to give 105.4 mg I [R = H, R2 = OH, Z = CHOH, Z1 = CH2, (15S)]. Among 7 addnl. I similarly prepared were (R, R1, R2, Z, and Z1 given): Me, H, OH, CHOH, CH2; H, H (15S), tert-BuO, CO, CH2; H, H (15S), NH2, CHOH, CH2; H, H (15S), MeO, CHOH, CHCH2OH.

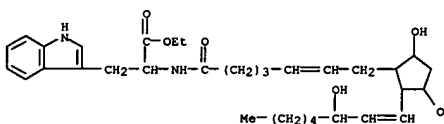
IT 57931-45-0P 57973-23-6P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)

RN 57931-45-0 CAPLUS
 CN L-Tryptophan, N-[(5Z,11a,13E,15S)-11,15-dihydroxy-1,9-dioxoprost-5,13-dien-1-yl]-, ethyl ester (9CI) (CA INDEX NAME)

L5 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 57973-23-6 CAPLUS
 CN L-Tryptophan, N-[(5Z,9a,11a,13E,15S)-9,11,15-trihydroxy-1-oxoprost-5,13-dien-1-yl]-, ethyl ester (9CI) (CA INDEX NAME)



=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

31.12

203.03

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-4.50

-4.50

STN INTERNATIONAL LOGOFF AT 08:28:17 ON 23 JUN 2006